

September 20, 1961

25X1A

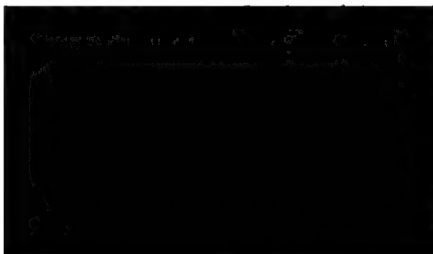
Subject: Variable Magnification Tracing Projector

Dear Jack:

Referring to discussions on the subject proposal, the following revisions to the proposed Tracing Projector are forwarded for your consideration:

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1.



- Magnifications up to 50X can be achieved with two additional lenses. The short focal length indicates that separate bellows will be required. The shorter focal length will require critical focus adjustment which can be best solved by providing a fine focus adjustment for each lens.

Recommended Lenses and Data

2.35 inch focal length, 15X to 30X and
1.35 inch focal length, 27X to 53X.

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to a higher illuminance
) to maintain a
almost certain that
capable of providing
and still be com-
binations. Inter-
most practical

The high level light source will require more extensive heat control design to maintain film safety, a 250°F rise over an 80°F ambient will be a design goal.

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1. will be added to the top rear of the projector on either side of the projector. The brackets will be 1/2 inch wide from 70mm to 9-3/4 inch diameter.

3. Projected Grid - An auxiliary film pressure plate containing a grid pattern will be supplied. This plate can be placed in the projection plane with the film as desired. The grid can be installed as a semi-permanent part of the projector or maintained as a loose accessory. A pattern of squares showing the field of view for the limiting magnifications of each range will be inscribed in the stage glass.
4. Portability - The instrument will be provided with casters for one man portability.

The table height of 40" is a minimum defined by mirror size and travel. The instrument base dimensions are defined by the same elements. Access is provided to three sides of the working surface for a standing or stool seated operator. The instrument top will be square and rigid enough for a drafting machine.

The costs related to the above modifications are as follows:

	COST	ESTD PRICE
25X1A	1.	<div></div> <div>need Arms prototype only</div>
	2.	
	3.	
	4.	
	No increase in cost	

We look forward to providing you with this item.

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Very truly yours,

DCB

[REDACTED]
Analytical & Photogrammetric
Instrument Sales